

IN THE SPECIFICATION:

Please amend the paragraph starting at page 1, line 4 and ending at line 8 as follows:

This application claims the right of priority under 35 U. S. C. §119 based on Japanese Patent Application No(s). JP2002-218204, filed on July 26th, 2002 and JP 2003-279137 filed on July 24th, 2003 which are hereby incorporated by reference ~~herein~~ in their entirety as if fully set forth herein.

Please amend the paragraph starting at page 5, line 17 and ending at line 20 as follows:

Furthermore, when a P22, which is a fluorescent material which is generally used in CRT is used, the ~~tenth~~ duration of after-glow of the fluorescent material will be in the order of 10 μ sec for green and blue, and 1 msec for red.

Please amend the paragraph starting at page 6, line 18 and ending at line 21, as follows:

As described above, in the related art, it has ~~been~~ taken a long time for measuring the characteristics of the respective pixels in order to adjust luminance of the pixels. In addition, accuracy of measurement was not sufficient.

Please amend the paragraph starting at page 13, line 12 and ending at line

15, as follows:

In other words, after having operated at a preparative driving voltage V_{pre} for a certain period, ~~and then~~ the normal display driving is performed with such normal driving voltage V_{drv} that the electric field strength is lowered.

Please amend the paragraph starting at page 14, line 12 and ending at line 17, as follows:

In Fig. 1, reference numeral 301 designates the display panel and is constructed of a vacuum vessel in which a substrate on which a plurality of SCE devices are arranged into a matrix, and a faceplate or the like is disposed above the substrate at a distance and a fluorescent material that emits light by an electron emitted from the SCE device.

Please amend the paragraph beginning at page 15, line 6, and ending at line 8, as follows:

The state of light emitting of the image display apparatus may be electronized (i.e. converted to electronic form) as two-dimensional image information using the luminance measuring unit 305 (optical system).

Please amend the paragraph beginning on page 16, line 14 and ending at line 16 as follows:

Reference numeral 312d designates a look-up table (LUT) to be referenced when adjusting the characteristics of the devices, and the ~~details~~detailed description will be made later.

Please amend the paragraph beginning at page 17, line 8 and ending at line 14 as follows:

In a first place, the luminance measuring unit 305 is moved to the position opposing the display panel to be measured by the robot system 309. Then, the switch matrixes 303, and 304 select a predetermined row wiring or a column wiring through the switch matrix control circuit 310 by a switch matrix control signal Tsw from the control circuit 312 to switch so that the SCE devices of the desired address can be driven.

Please amend the paragraph beginning at page 20, line 8 and ending at line 13, as follows:

Since the light-emitting amount with respect to the emission current is determined by an accelerating voltage of the electron toward the fluorescent material, the light-emitting efficiency, and the current density characteristics of the fluorescent material, the light-emitting characteristics can be shifted by referencing the amount which ~~taking~~ takes those into account in advance.

Please amend the paragraph beginning at page 24, line 13 and ending at line 16, as follows:

In this embodiment, V_{drv} was 14[[v]] volts, V_{pre} was 16[[v]] volts, V_{shift} was 16-18[[v]] volts, the pulse used for shifting the characteristics was a short pulse of 1 ms width and 2ms cycle, and the pulse used for measuring luminance was a pulse of 18 μ s width and 20 μ s cycle.

Please amend the paragraph beginning on page 25, line 9 and ending at line 12 as follows:

When it is determined that application of the shifting voltage is necessary, as in step S12, data of the device of which the initial characteristics are the closest to the specific device is read from the lookup table 312d.

Please amend the paragraph beginning at page 26, line 7 and ending at line 12 as follows:

When the image display apparatus manufactured according to the steps described above is driven with a V_{drv} ~~14Volt~~ of 14 volts, and the variations in luminance over the entire surface are measured, the standard deviation/average was 3 %. When moving images are displayed on the panel, a high-quality image could be displayed without feeling of fluctuations.

Please amend the paragraph beginning at page 27, line 12, and ending at line 19 as follows:

In the method of measuring luminance in the first embodiment, the object to be measured was a color image display apparatus having a pixel construction[[s]] in which the pixels displaying R, G, and B are disposed adjacently with respect to each other, and those pixels were illuminated in a time-sharing manner for each of R, G and B so that the devices that are not adjacent to each other were simultaneously selected. Then the characteristic adjustment was performed in the same manner as in the first embodiment.

Please amend the paragraph starting at page 28, line 2 and ending at line 11, as follows:

In this embodiment, instead of selecting the row wirings row-by-row in sequence in one block and measuring luminance of the pixels of each color in a time-sharing manner, it is also possible to select all the row wirings in one block simultaneously and measure the luminance for each color. In other words, by performing the illuminating operation three times in total for each of R, G, and B for the SCE devices in one block, luminance of [[the]] all SCE devices in the block can be measured. In this case, in comparison with the case in which measurement is made for every row, the measuring time can significantly be shortened.

Please amend the paragraph starting at page 35, line 20 and ending at line 23

as follows:

In this embodiment, ~~since~~ duration of application of the shifting voltage was 3000 seconds, which is about half the case of the first embodiment[[,]] since the shifting voltage could be applied simultaneously to the two devices.

Please amend the paragraph starting at page 35, line 24, and ending on page 36, line 1 as follows:

When the image display apparatus formed by the steps described above was driven at a Vdrv of 14 ~~Volt~~volts and variations in luminance of the entire display were measured, the standard deviation/average value was 3%, which was the same as the image display apparatus manufactured in the first embodiment.